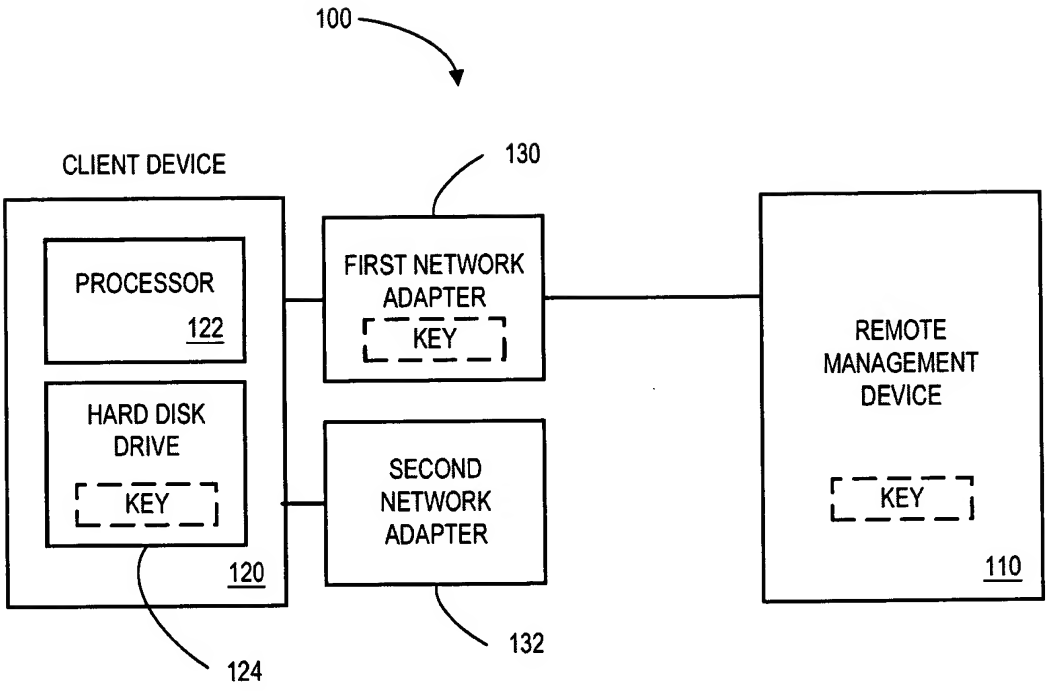

100
CLIENT DEVICE
130
PROCESSOR
122
HARD DISK
DRIVE
KEY
120
124
FIRST NETWORK
ADAPTER
KEY
SECOND
NETWORK
ADAPTER
132
REMOTE
MANAGEMENT
DEVICE
KEY
110

FIG. 1

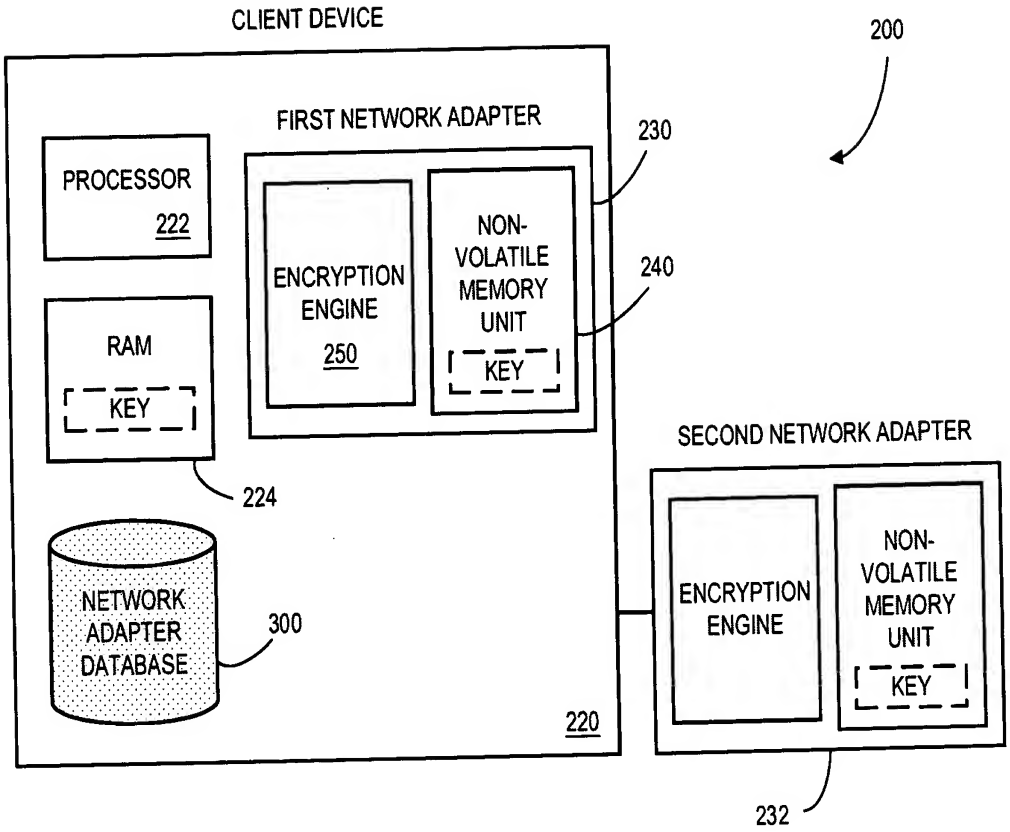
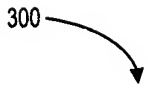

CLIENT DEVICE
200
FIRST NETWORK ADAPTER
230
PROCESSOR
222
ENCRYPTION ENGINE
250
NON-VOLATILE MEMORY UNIT
KEY
240
RAM
KEY
224
SECOND NETWORK ADAPTER
ENCRYPTION ENGINE
NON-VOLATILE MEMORY UNIT
KEY
NETWORK ADAPTER DATABASE
300
220
232

FIG. 2



NETWORK ADAPTER IDENTIFIER 302	TYPE 304	AVAILABLE 306	STORING KEY 308
NA_01	LAN ON MOTHERBOARD	NOT AVAILABLE	NO
NA_02	EXTERNAL	AVAILABLE	YES
NA_03	EXTERNAL	AVAILABLE	NO

FIG. 3

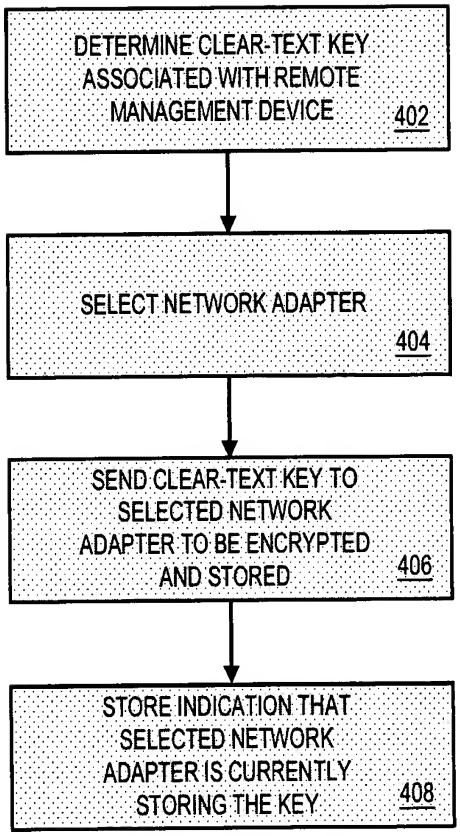

DETERMINE CLEAR-TEXT KEY ASSOCIATED WITH REMOTE MANAGEMENT DEVICE
402
SELECT NETWORK ADAPTER
404
SEND CLEAR-TEXT KEY TO SELECTED NETWORK ADAPTER TO BE ENCRYPTED AND STORED
406
STORE INDICATION THAT SELECTED NETWORK ADAPTER IS CURRENTLY STORING THE KEY
408

FIG. 4

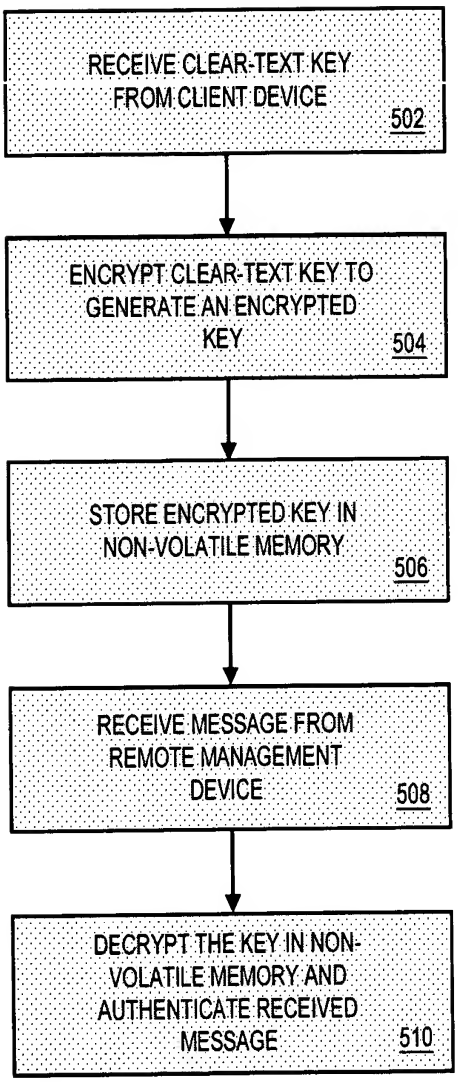

RECEIVE CLEAR-TEXT KEY FROM CLIENT DEVICE
502
ENCRYPT CLEAR-TEXT KEY TO GENERATE AN ENCRYPTED KEY
504
STORE ENCRYPTED KEY IN NON-VOLATILE MEMORY
506
RECEIVE MESSAGE FROM REMOTE MANAGEMENT DEVICE
508
DECRYPT THE KEY IN NON-VOLATILE MEMORY AND AUTHENTICATE RECEIVED MESSAGE
510

FIG. 5

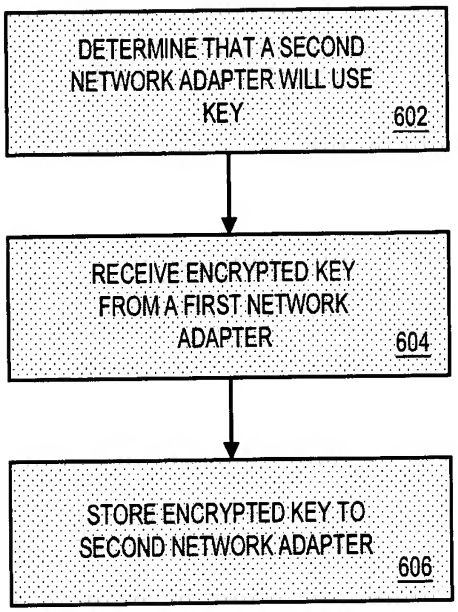

DETERMINE THAT A SECOND NETWORK ADAPTER WILL USE KEY
602
RECEIVE ENCRYPTED KEY FROM A FIRST NETWORK ADAPTER
604
STORE ENCRYPTED KEY TO SECOND NETWORK ADAPTER
606

FIG. 6

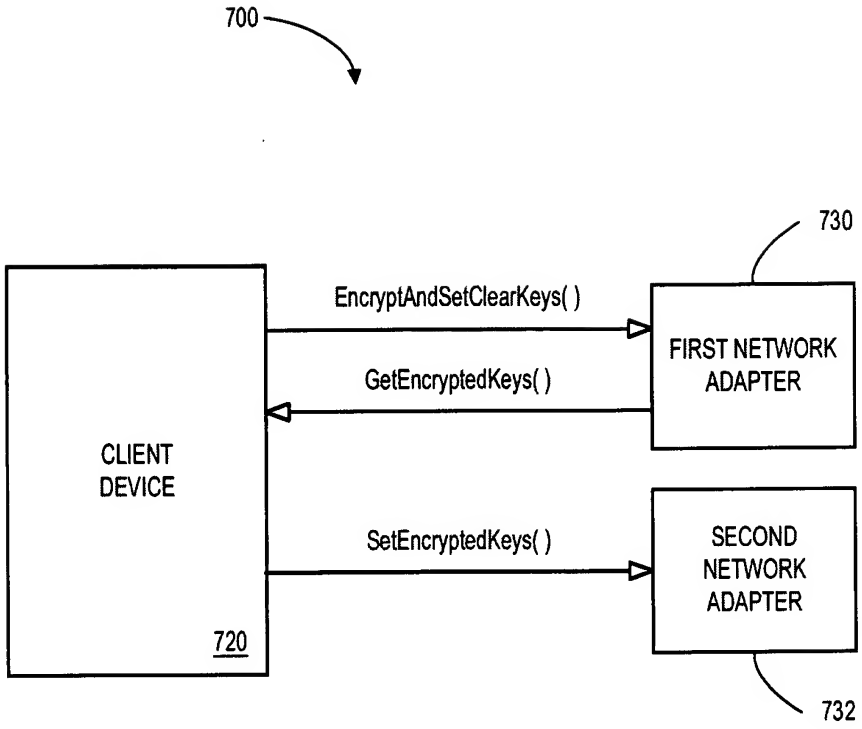

700
730
EncryptAndSetClearKeys( )
GetEncryptedKeys( )
FIRST NETWORK ADAPTER
CLIENT DEVICE
SetEncryptedKeys( )
SECOND NETWORK ADAPTER
720
732

FIG. 7

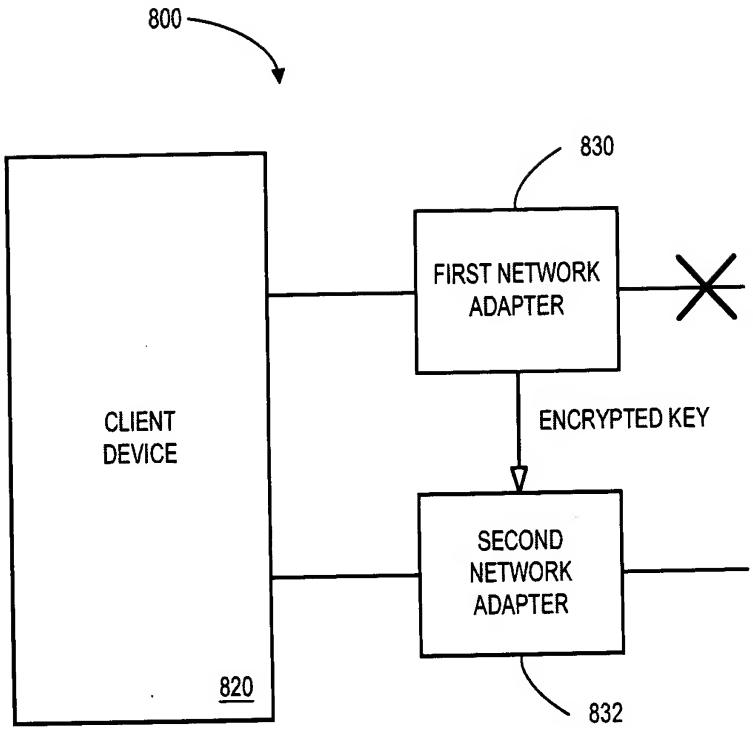

800
830
FIRST NETWORK ADAPTER
CLIENT DEVICE
ENCRYPTED KEY
SECOND NETWORK ADAPTER
820
832

FIG. 8

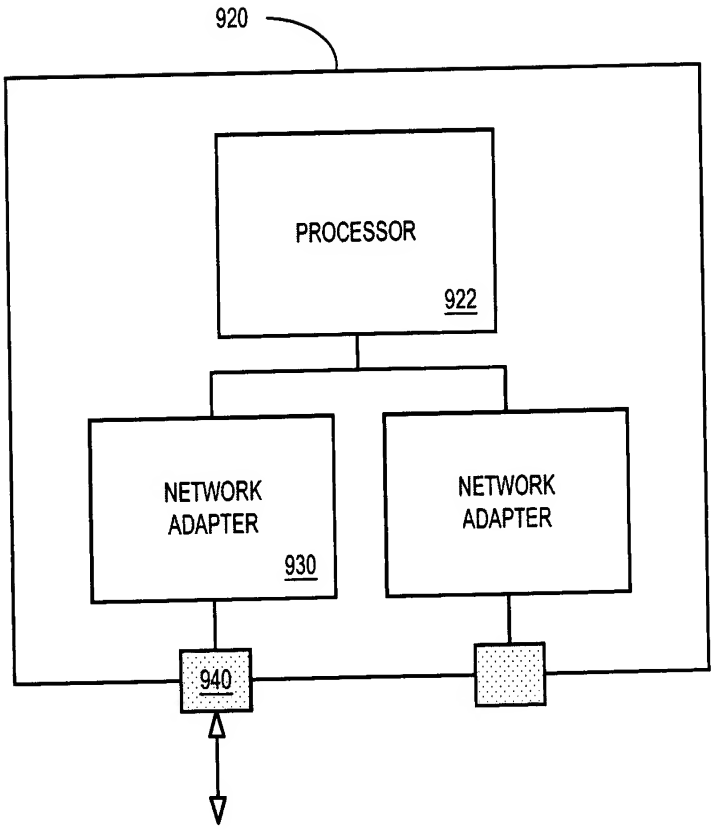


FIG. 9